

## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail**

**Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
**(571) 273-2885**

or **Fax**

**INSTRUCTIONS:** This form should be used for transmitting the **ISSUE FEE** and **PUBLICATION FEE** (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee payments.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

54657 7590 10/17/2003

**DUANE MORRIS LLP**  
**IP DEPARTMENT (TSMC)**  
**30 SOUTH 17TH STRBET**  
**PHILADELPHIA, PA 19103-4196**

01/17/2006 TBESHAH2 00000020 041679 10706380

01 FC:1501 1400.00 DA  
 02 FC:1504 300.00 DA

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

**Maria E. Provencio** (Depositor's name)  
*Maria E. Provencio* (Signature)  
**January 13, 2006** (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10706380	11/12/2003	Cliff Hou	TS01-1674	6372

TITLE OF INVENTION: METHODOLOGY TO OPTIMIZE HIERARCHICAL CLOCK SKEW BY CLOCK DELAY COMPENSATION

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	01/17/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
DINH, PAUL	2825	716-006000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

**TAIWAN SEMICONDUCTOR MANUFACTURING**  
**COMPANY**

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

**HSIN-CHU, TAIWAN, R.O.C.**

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee  
☒ Publication Fee (No small entity discount permitted)  
☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☒ The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number **04-1679** (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

*Mark J. Marcelli*

Date **January 13, 2006**

Typed or printed name

**Mark J. Marcelli**

Registration No. **36,593**

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



DUANE MORRIS LLP  
101 WEST BROADWAY, SUITE 900  
SAN DIEGO, CA 92101  
PHONE: 619.744.2200  
FAX: 619.744.2201

Attorney Docket No.: TS01-1674  
N1085-90185

## FACSIMILE TRANSMITTAL SHEET

In re application of: Cliff Hou

Examiner: Paul Dinh

Serial No.: 10/706,380

Group Art Unit: 2825

Filed: 11/12/2003

Confirmation No.: 6372

For: METHODOLOGY TO OPTIMIZE HIERARCHICAL CLOCK SKEW BY CLOCK  
DELAY COMPENSATION

To: Examiner Paul Dinh  
Mail Stop Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

FACSIMILE NUMBER: 571-273-2885

**CONFIRMATION**

**TELEPHONE:**

FROM: Mark J. Marcelli

DIRECT DIAL: 619.744.2243

DATE: January 13, 2006

TOTAL # OF PAGES:  
(INCLUDING COVERSHEET)

MESSAGE: Attached is a: 1) Transmittal Form; 2) Issue Fee Transmittal  
Letter and 3) PTOL-85 Part B - Fee(s) Transmittal (in  
duplicate).

NOTE: Original will not follow

CONFIDENTIALITY NOTICE

THIS FACSIMILE TRANSMISSION IS PRIVILEGED AND CONFIDENTIAL AND IS INTENDED ONLY FOR THE  
REVIEW OF THE PARTY TO WHOM IT IS ADDRESSED. IF YOU HAVE RECEIVED THIS TRANSMISSION IN  
ERROR, PLEASE IMMEDIATELY TELEPHONE THE SENDER ABOVE TO ARRANGE FOR ITS RETURN, AND IT  
SHALL NOT CONSTITUTE WAIVER OF THE ATTORNEY-CLIENT PRIVILEGE.

If there is a problem with this transmission, please call us as soon as possible at 619.744.2200.



PTO/SB/21 (09-04)

Approved for use through 07/31/2008, OMB 0551-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10708,380
Filing Date	11/12/2003
First Named Inventor	Cliff Hou
Art Unit	2825
Examiner Name	Paul Dinh
Attorney Docket Number	TS01-1674

**ENCLOSURES (Check all that apply)**

<input checked="" type="checkbox"/> Issue Fee Transmittal Letter <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTOL0-85 Part B - Fee(s) Transmittal for Issue Fee Payment (in duplicate)
Remarks  		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Duane Morris LLP		
Signature	<i>Mark J. Marcelli</i>		
Printed name	Mark J. Marcelli		
Date	January 13, 2006	Reg. No.	36,593

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	<i>Maria E. Provencio</i>		
Typed or printed name	Maria E. Provencio	Date	January 13, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



DOCKET NO.: TS01-1674  
N1085-90185

Confirmation No.: 6372  
Notice of Allowance Dated: 10/17/2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Cliff Hou

Serial No.: 10/706,380

Examiner: Paul Dinh

Filed: 11/12/2003

Group Art Unit: 2825

For: METHODOLOGY TO OPTIMIZE HIERARCHICAL CLOCK SKEW BY CLOCK  
DELAY COMPENSATION

I hereby certify that this document (and any documents referred to  
therein) are being sent by facsimile to (571) 273-2885 addressed to the  
following:

Examiner Paul Dinh  
Mail Stop Issue Fee  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

on January 13, 2006

  
Maria E. Provencio

Examiner Paul Dinh  
MAIL STOP ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**ISSUE FEE TRANSMITTAL LETTER**

Dear Sir:

Transmitted herewith is the payment for the Issue Fee for the above-captioned  
patent application, which is due on January 17, 2006. Please charge the \$1,400.00 Issue  
fee and the \$300.00 Publication fee, total \$1,700.00 to Deposit Account 04-1679.

Please charge any associated underpayment or credit any overpayment to Deposit  
Account 04-1679.

Respectfully submitted,



Mark J. Marcelli

Registration No. 36,593

Dated: January 13, 2006

DUANE MORRIS LLP  
101 West Broadway, Suite 900  
San Diego, CA 92101-8285  
Telephone: (619)744-2243  
Fax: (619) 744 2204